

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v119)**

1. Factor the expression.

$$49x^2 - 9$$

2. Solve the equation.

$$11x^2 + 32x - 6 = 4x^2 + 5x - 2$$

3. Expand the following expression into standard form.

$$(7x - 9)(7x + 9)$$

4. Factor the expression.

$$x^2 + 12x + 35$$

5. Expand the following expression into standard form.

$$(8x - 3)^2$$

6. Solve the equation with factoring by grouping.

$$6x^2 - 8x + 15x - 20 = 0$$

7. Expand the following expression into standard form.

$$(9x - 8)(6x + 7)$$

8. Solve the equation.

$$(7x + 4)(5x - 8) = 0$$